

Articulating Lock Ring

45 - 63" RIMEX wheels (HDT, TSR, MST)

Mounting & Demounting Instructions



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SAFETY TIPS

INTRODUCTION

This instruction manual includes information on mounting and demounting the RIMEX Articulating Lock Ring (ALR). It is your responsibility to follow mine safety protocols. RIMEX can not be held responsible for inflation or deflation procedures as well as damage or injury resulting from unsafe use of this product, lack of maintenance or incorrect product and system application.

SPECIFICATIONS

The RIMEX ALR is designed to increase safety. Unlike traditional 1-piece lock rings, there is no stored energy released when the part is removed.

Damage to the hinge assembly is easily replaced and does not result in the lock ring being scrapped.

Optional EZ GRIP handles [part # 785-000-0165] help protect tire service persons from the hazards and dangers associated with tire maintenance.

GENERAL

- To avoid serious personal injury, always wear proper protective gear, such as safety glasses, hard hats, gloves and steel toe shoes.
- Use RIMEX supplied fasteners only.
- Inspect ALL components for wear or damage before assembly.
- Ensure lock ring grooves are clear of dirt or debris.



WARNING

Failure to follow these mounting and demounting instructions could result in serious or fatal injury.

MOUNTING

ALL WHEEL POSITIONS

Tools Required:

- $\frac{1}{16}$ " wrench or socket
- torque wrench
- 2 locking clamps (recommended)
- 4 EZ GRIP handles (optional)

1. Remove lower shoulder bolt using $\frac{1}{16}$ " wrench or socket.
2. The top shoulder bolt should remain tight, only loosen to position or adjust when installed in the lock ring groove.



3. If using RIMEX EZ GRIP handles [part # 785-000-0165], securely attach four handles (two on each half) to the ALR, ensuring the adjustable bolt is tightened. For best results attach the handles to the 3, 5, 7 and 9 o'clock positions
4. Lift the ALR with the handles (if using) and rest the top hinge in the lock ring groove.



MOUNTING

5. Position the bottom sections of the ALR into the lock ring groove.



CAUTION

To avoid pinch hazards, use RIMEX EZ GRIP handles to move or adjust the ALR.

6. Using two locking clamps, secure the ALR in place. RIMEX recommends placing a clamp on each half of the lock ring.
7. Remove the EZ GRIP handles, if using.
8. Reinstall the bottom shoulder bolt, ensuring the top and bottom bolts are tight. Gaps between the halves should not be greater than .75" (19.05mm). Adjust the spacing accordingly. Tighten shoulder bolt with torque wrench and socket to maximum 265 in-lbs (30 N-m).



9. Remove the locking clamps.

DEMOUNTING

ALL WHEEL POSITIONS

Tools Required:

- $\frac{9}{16}$ " wrench or socket
- 4 EZ GRIP handles (optional)

1. Ensure the tire is **COMPLETELY** deflated. If dual wheels, both tires must be deflated.
2. Remove the lower shoulder bolt using a $\frac{9}{16}$ " wrench or socket.



3. If using RIMEX EZ GRIP handles [part # 785-000-0165], securely attach four handles (two on each half) to the ALR, ensuring the adjustable bolt is tightened. For best results, attach the handles to the 3, 5, 7 and 9 o'clock positions.



4. Lift and remove the ALR.
5. If storing the ALR, reinstall the shoulder bolt.



WARNING

COMPLETELY deflate the tire before servicing.

PARTS LIST

PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION	WEIGHT
			TOTAL WEIGHT	XX lbs

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